

# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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## Report No. 425                      EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 9/1/09 to 1/1/10:

- **WF2XDI ELECSYS INTERNATIONAL CORPORATION 0297-EX-PL-2009**  
New experimental to operate in various bands between 100 kHz and 2500 MHz for testing peripheral devices for rugged handheld computers operating.  
Fixed & Mobile: Olathe (Johnson), KS
- **WF2XDN JERRY E. WHITE 0317-EX-PL-2009**  
New experimental to operate in 135.7-137.8 kHz and 160-190 kHz to construct and operate a low frequency communications station  
Fixed: Pelham (Mitchell), GA
- **WE2XYG BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0484-EX-PL-2008**  
New experimental to operate on spot frequencies between 1500 kHz and 1390 MHz for antenna testing  
Mobile: Temporary Fixed Locations, Merrimack, NH
- **WF2XEN THE BOEING COMPANY 0376-EX-PL-2009**  
New experimental to on 10000 kHz and 690 MHz for testing rotating devices.  
Fixed: Seattle (King), WA
- **WF2XFD THE BOEING COMPANY 0371-EX-PL-2009**  
New experimental to operate in 29.7 - 45.1875 MHz, 46.0125 – 74 MHz, 76 – 88 MHz to calibrate the SMBR antenna arrays on the 737 AEWG Aircraft.  
Mobile Pacific Beach, WA; Quillayute Airfield, Forks, WA; Boeing Field (King), WA
- **WF2XFM LOCKHEED MARTIN CORPORATION 0418-EX-PL-2009**  
New experimental to operate in 30.00 - 74.60 MHz, 75.40 - 87.975 MHz, and on 1227.60 MHz and 1575.42 MHz To conduct environmental and qualification testing of a non-line of sight container lunch unit.  
Mobile: Baltimore (Baltimore), MD; Huntsville (Madison), AL
- **WE2XZY RAYTHEON 0078-EX-PL-2009**  
New experimental to operate on select frequencies between 100-2000 MHz for outdoor EMF Antenna Test range to measure gain and radiation patterns  
Fixed: McKinney, TX
- **WF2XBI THE BOEING COMPANY 0175-EX-PL-2009**  
New experimental to operate on 112.125 MHz, 112.225 MHz, 112.725 MHz, 112.825 MHz, 113.075, MHz, 113.225 MHz, 113.525 MHz, 114.025 MHz, 114.525 MHz, 115.025 MHz, 115.425, 116.825 MHz, 116.975 MHz, 117.025 MHz, 117.525 MHz and 117.625 MHz for testing Portable Global Navigational Satellite (P-GLS) landing system.

Fixed: Walla Walla, WA; Billings, MT; Colorado Springs, CO; Casper, WY; Cheyenne, WY; Edwards AFB, CA; Fargo, ND; Sioux Falls, SD; Great Falls, MT; Glasgow, MT; Everett (Snohomish), WA; Mather, CA; Oakland, CA; Roswell, NM; Rapid City, SD; Sacramento, CA; Kennedy Space CTR, FL; Victorville, CA; Yakima, WA

- **WF2XAK BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0337-EX-PL-2006**  
New experimental to operate on spot frequencies between 119.725 MHz and 939.375 MHz for antenna Range Testing  
Fixed: Litchfield (Hillsborough), NH
- **WF2XER KOOS TECHNICAL SERVICES, INC 0373-EX-PL-2009**  
New experimental to operate in 148-174 MHz for simulation and training through wireless devices  
Fixed: Chuluota (Seminole), FL
- **WF2XBO L-3 COMMUNICATIONS CORPORATION 0237-EX-PL-2009**  
New experimental to operate in 152.975 - 162.2875 MHz and 162.3125 – 174 MHz to support production testing of the BAIS, AN/PRS-9X systems.  
Mobile: Camden (Camden), NJ
- **WF2XCG SPECTRUM BRIDGE,INC. 0269-EX-PL-2009**  
New experimental to operate in 168-216 MHz to conduct research using vacant spectrum in the television broadcast, and for the testing of fixed Whitespace devices.  
Fixed: Claudville (Patrick), VA
- **WE2XSC HARRIS CORPORATION 0373-EX-PL-2007**  
New experimental to operate on 232.375 MHz, 300.375 MHz and 362.250 MHz to test new wideband digital data/voice vehicular and handheld radios for United States military.  
Mobile: Melbourne, FL
- **WF2XCX THE BOEING COMPANY 0310-EX-PL-2009**  
New experimental to operate in various bands between 240 MHz and 320 MHz for testing UHF antenna.  
Fixed: El Segundo (Los Angeles), CA
- **WF2XCJ ROCKWELL COLLINS, INC. 0281-EX-PL-2009**  
New experimental to operate in 240 – 420 MHz and 1700 – 2000 MHz for testing network radios and antennas.  
Fixed: Richardson (Freestone), TX
- **WF2XCY CALIFORNIA, STATE OF 0289-EX-PL-2009**  
New experimental to operate on 401.7475 MHz for data collection for fire weather forecasting  
Fixed: Marysville (Sutter), CA
- **WF2XDA CALIFORNIA, STATE OF 0291-EX-PL-2009**  
New experimental to operate on 401.7475 MHz for data collection for fire weather forecasting  
Fixed: Gibson (Yola), CA
- **WF2XDC CALIFORNIA, STATE OF 0293-EX-PL-2009**  
New experimental to operate on 401.7475 MHz for data collection for fire weather forecasting  
Fixed: Holt (Sutter), CA
- **WF2XDD CALIFORNIA, STATE OF 0294-EX-PL-2009**  
New experimental to operate on 401.7475 MHz for data collection for fire weather forecasting  
Fixed: Holt (Sutter), CA
- **WF2XDB CALIFORNIA, STATE OF 0292-EX-PL-2009**  
New experimental to operate on 401.8855 MHz and 401.9545 MHz for data collection for fire weather forecasting  
Fixed: Strawberry Valley (Yuba), CA
- **WF2XFR PLACER, COUNTY OF 0358-EX-PL-2009**  
New experimental to operate on 401.9125 MHz for data collection  
Fixed: Homewood, CA; Incline Village (Washoe), NV

- **WF2XCZ CALIFORNIA, STATE OF 0290-EX-PL-2009**  
New experimental to operate on 401.9575 MHz for data collection for fire weather forecasting  
Fixed: Taylorsville (Pluma), CA
- **WF2XDJ NORTHROP GRUMMAN SYSTEMS CORPORATION 0319-EX-PL-2009**  
New experimental to operate in 420-450 MHz to test a synthetic aperture radar.  
Fixed & Mobile: Hanover (Anne Arundel), MD
- **WF2XEM ITRON, INC. 0367-EX-PL-2009**  
New experimental to operate in 427-435 MHz and 868-870 MHz for testing European utility meter readers  
Fixed & Mobile: Waseca (Waseca), MN; Liberty Lake (Spokane), WA; West Union (Oconee), SC
- **WF2XCR THE BOEING COMPANY 0305-EX-PL-2009**  
New experimental to operate in 433 - 434.50 MHz and on 1712.50 MHz, 1787.50 MHz and 1802.50 MHz for testing systems on the S-100 Unmanned Aircraft System (UAS).  
Mobile: Seattle (King), WA; Boardman, OR; St Charles, MO; Fort Leonard Wood, MO
- **WF2XEX THE BOEING COMPANY 0394-EX-PL-2009**  
New experimental to operate in 460.40 - 467.60 MHz, 851 – 866 MHz, 869 – 894 MHz, 915.40 - 960.00 MHz, 1805 – 1880 MHz, 1930 – 1990 MHz and 2110 – 2170 MHz for testing of software synthesized base station for GSM, CDMA2000 and UMTS cellular protocols.  
Mobile: Thurmont and Germantown, MD
- **WF2XGP MATTHEW T KAUFMAN 0451-EX-PL-2009**  
New experimental to operate in 760 – 780 MHz to test a non-line-of-site digital network  
Fixed & Mobile: Los Gatos (Santa Clara), CA; Bonny Doon (Santa Cruz), CA
- **WF2XBF TECORE INC. 0202-EX-PL-2009**  
New experimental to operate in 824 – 849 MHz, 869 – 894 MHz, 1850 – 1910 MHz and 1930 – 1990 MHz for wireless testing.  
Mobile: Columbia, MD
- **WF2XFC TRANSCORE 0402-EX-PL-2009**  
New experimental to operate in 867 – 875 MHz for testing equipment prior to export.  
Fixed: Within 2.5 km of Within 2.5 km of Albuquerque, NM
- **WF2XFF WAL-MART STORES, INC. 0381-EX-PL-2009**  
New experimental to operate in 902 – 928 MHz for RFID testing.  
Fixed: Rogers (Benton), AR
- **WF2XFG WAL-MART STORES, INC. 0382-EX-PL-2009**  
New experimental to operate in 902 – 928 MHz for RFID testing.  
Fixed: Fayetteville (Washington), AR
- **WF2XFV ITRON, INC. 0369-EX-PL-2009**  
New experimental to operate in 902-928 MHz and on 952, 956 and 959 MHz for testing automatic meter readers  
Fixed & Mobile: Continental United States, AK and HI
- **WF2XCE SAINT CLOUD REGIONAL AIRPORT 0125-EX-PL-2009**  
New experimental to operate on 1030 MHz and 1090 MHz to test the multilateration system equipment to be demonstrated for aircraft and ground vehicle surveillance on and around the airport  
Fixed: Saint Cloud (Sherburne), MN
- **WF2XCN LOCKHEED MARTIN CORPORATION 0288-EX-PL-2009**  
New experimental to operate on 1030 MHz to test IFF Interrogator radars.  
Mobile: Syracuse (Onondaga), NY

- **WF2XDT THE BOEING COMPANY 0345-EX-PL-2009**  
New experimental to operate on 1090 MHz for testing traffic alert/collision avoidance system.  
Fixed: Mansfield, WA
- **WF2XCW STI AVIATION, INC. 0248-EX-PL-2009**  
New experimental to operate on 1176.45 MHz, 1227.60 MHz, 1250 MHz, 1575.42 MHz and 1601 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
Fixed: Moyock (Currituck), NC
- **WF2XCU NORTHROP GRUMMAN SYSTEMS CORPORATION 0298-EX-PL-2009**  
New experimental on 1227.6 MHz and 1575.42 MHz using GPS re-radiator to test GPS equipment for pre-flight testing of avionics on unmanned combat air vehicles.  
Fixed: Palmdale (Los Angeles), CA
- **WF2XDL NORTHROP GRUMMAN SYSTEMS CORPORATION 0324-EX-PL-2009**  
New experimental to operate on 1227.6 MHz and 1575.42 MHz using GPS re-radiator to test GPS equipment for pre-flight testing of avionics on unmanned combat air vehicles.  
Fixed: Palmdale (Los Angeles), CA
- **WF2XEH LOCKHEED MARTIN CORPORATION 0360-EX-PL-2009**  
New experimental to operate in 1264 – 1286 MHz and 1353 – 1392 MHz to test the capabilities of the TPS-59 system  
Fixed & Mobile: Syracuse (Onondaga), NY
- **WF2XDG DBA GLOBAL TECHNICAL SYSTEMS 0210-EX-PL-2009**  
New experimental to operate on 1325 MHz to demonstrate a foliage-penetrating radar.  
Mobile: Mullet Key, FL, airborne 10000 ft. AGL, within a box bounded by the coordinates 27 36 30NL, 27 39 06NL, 082 41 06WL, 082 44 36WL
- **WF2XEO COMPASS SYSTEMS, INC. 0315-EX-PL-2009**  
New experimental to operate on 1500 MHz for GPS reradiator testing.  
Fixed: Lexington Park (St Mary's) MD
- **WF2XBR THE BOEING COMPANY 0255-EX-PL-2009**  
New experimental to operate in 1525 – 1559 MHz for testing operation of satellite equipment.  
Fixed: El Segundo, CA
- **WF2XDV ON-RAMP WIRELESS 0337-EX-PL-2009**  
New experimental to operate on 1575 MHz to test a GPS reradiator  
Fixed: San Diego (San Diego), CA
- **WF2XCS ORBITAL SCIENCES CORPORATION 0213-EX-PL-2009**  
New experimental to operate on 1575.42 MHz to test GPS reradiator  
Fixed: Chandler (Maricopa), AZ
- **WF2XEE ORBITAL SCIENCES CORPORATION 0217-EX-PL-2009**  
New experimental to operate on 1575.42 MHz to test GPS reradiator  
Fixed: Chandler (Maricopa), AZ
- **WF2XEF ORBITAL SCIENCES CORPORATION 0218-EX-PL-2009**  
New experimental to operate on 1575.42 MHz to test GPS reradiator  
Fixed: Chandler (Maricopa), AZ
- **WF2XEG ORBITAL SCIENCES CORPORATION 0219-EX-PL-2009**  
New experimental to operate on 1575.42 MHz to test GPS reradiator  
Fixed: Chandler (Maricopa), AZ
- **WF2XDZ ORBITAL SCIENCES CORPORATION 0264-EX-PL-2009**  
New experimental to operate on 1575.42 MHz to test GPS reradiator  
Fixed: Chandler (Maricopa), AZ

- **WF2XEA ORBITAL SCIENCES CORPORATION 0265-EX-PL-2009**  
New experimental to operate on 1575.42 MHz to test GPS reradiator  
Fixed: Chandler (Maricopa), AZ
- **WF2XEB ORBITAL SCIENCES CORPORATION 0266-EX-PL-2009**  
New experimental to operate on 1575.42 MHz to test GPS reradiator  
Fixed: Chandler (Maricopa), AZ
- **WF2XEC ORBITAL SCIENCES CORPORATION 0267-EX-PL-2009**  
New experimental to operate on 1575.42 MHz to test GPS reradiator  
Fixed: Chandler (Maricopa), AZ
- **WF2XED ORBITAL SCIENCES CORPORATION 0268-EX-PL-2009**  
New experimental to operate on 1575.42 MHz to test GPS reradiator  
Fixed: Chandler (Maricopa), AZ
- **WF2XCF RADIOSHACK CORPORATION 0224-EX-PL-2009**  
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems  
Fixed: Fort Worth (Tarrant), TX
- **WF2XDM INILEX INC 0300-EX-PL-2009**  
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems  
Fixed: Chandler (Maricopa), AZ
- **WF2XCQ DIELECTRIC COMMUNICATIONS 0301-EX-PL-2009**  
New experimental to operate in 1710 – 1785 MHz for antenna Testing  
Mobile: Columbia (Richland), SC
- **WF2XEI ITT COMMUNICATIONS SYSTEMS, A DIVISION OF ITT CORPORATION 0356-EX-PL-2009**  
New experimental to operate in 1800 - 2495 kHz, 2501 - 4995 kHz and 5003 – 9600 kHz for testing of HF radio voice communication equipment.  
Fixed & Mobile Fort Wayne (ALLEN), IN; Victor (Ontario), NY; Victor (Brevard) FL
- **WF2XDW ERICSSON INC 0338-EX-PL-2009**  
New experimental to operate on 1922.60 MHz and 1927.40 MHz for testing the Ericson QuickLink system  
Fixed & Mobile: In and around 1895 Preston White Drive, Reston, VA
- **WF2XDW ERICSSON INC 0338-EX-PL-2009**  
New experimental to operate on 1922.60 MHz and 1927.40 MHz for testing the Ericson QuickLink system  
Fixed & Mobile: In and around 1895 Preston White Drive, Reston, VA
- **WF2XEL JHUAPL, LLC 0364-EX-PL-2009**  
New experimental to operate in 2025 – 2300 MHz for antenna testing  
Fixed: Laurel (Howard), MD
- **WF2XFJ THE BOEING COMPANY 0409-EX-PL-2009**  
New experimental to operate in 2200 – 2300 MHz for testing communication networks and systems.  
Mobile: Boeing Facility, Ridley Park, PA
- **WF2XDO SIRIUS XM RADIO INC. 0326-EX-PL-2009**  
New experimental to operate in 2320 - 2332.50 MHz to design and develop a terrestrial repeater solution to provide satellite radio services.  
Fixed: Utuado, PR

- **WF2XFP BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0384-EX-PL-2009**  
New experimental to operate in 2456 - 2495 MHz for testing antennas.  
Mobile: Temporary Fixed Locations, Hudson, NH
- **WF2XET LOCKHEED MARTIN CORPORATION 0328-EX-PL-2009**  
New experimental to operate in 2503.50 - 2513.50 MHz for testing WiMAX technologies  
Fixed & Mobile: Chantilly (Fairfax), VA
- **WF2XEW LOCKHEED MARTIN CORPORATION 0331-EX-PL-2009**  
New experimental to operate in 2513.50 - 2523.50 MHz for testing WiMAX technologies  
Mobile: King of Prussia (Montgomery), PA
- **WF2XEY BMW ITRC 0387-EX-PL-2009**  
New experimental to operate in 2578 – 2590 MHz and 2596 – 2608 MHz to validate quality of service in various speeds provided at the BMW test track using the requested frequency and IEEE protocols.  
Fixed: Greer (Spartanburg), SC
- **WF2XEU LOCKHEED MARTIN CORPORATION 0329-EX-PL-2009**  
New experimental to operate in 2658.50 - 2668.50 MHz for testing WiMAX technologies  
Mobile: Suffolk, VA
- **WF2XEV LOCKHEED MARTIN CORPORATION 0330-EX-PL-2009**  
New experimental to operate in 2678.50 - 2688.50 MHz for testing WiMAX technologies  
Mobile: Gaithersburg (Montgomery), MD
- **WF2XCP LOCKHEED MARTIN CORPORATION 0287-EX-PL-2009**  
New experimental to operate on 2800 MHz to test the countermeasures capabilities of the TPS-79 radar system.  
Fixed: Syracuse (Onondaga), NY
- **WF2XDH THE AEROSPACE CORPORATION 0282-EX-PL-2009**  
New experimental to operate in 3650 – 3800 MHz for testing WiMax equipment  
Fixed & Mobile: Rancho Palos Verdes, CA
- **WF2XEK NORTHROP GRUMMAN SYSTEMS CORPORATION 0361-EX-PL-2009**  
New experimental to operate in 4600-4900 MHz and 4949-4990 MHz to demonstrate a reliable and easily deployed, network-based battlefield information sharing platform to government end-users.  
Fixed: Carson, CA; Reston, VA; San Diego, CA
- **WF2XDS CACI 0318-EX-PL-2009**  
New experimental to operate in 5850 – 6425 MHz, 7900 – 8400 MHz, 14000 – 14500 MHz and 28 – 31 GHz for antenna testing for satellites.  
Fixed: Annapolis Junction (Howard), MD
- **WF2XFT LOCKHEED MARTIN CORPORATION 0442-EX-PL-2009**  
New experimental to operate in 9200 – 10000 MHz to evaluate the reception and direction finding capability of the SEWIP program.  
Fixed & Mobile Syracuse (Onondaga), NY
- **WF2XEQ LOCKHEED MARTIN CORPORATION 0375-EX-PL-2009**  
New experimental to operate in 9200 – 10000 MHz to test and support of the GD-53 program under contract with TAIWAN.  
Mobile: Temporary Fixed operations 1KMRA of Latitude 43°06'43"N, Longitude 76°11'18" W, Syracuse, NY
- **WF2XBC LAUFER WIND GROUP LLC 0136-EX-PL-2009**  
New experimental to operate in 9225 – 9230 MHz for Radar system testing for the aircraft detection and aviation obstruction lighting.  
Mobile: Continental United States, AK and HI

- **WF2XES LOCKHEED MARTIN CORPORATION 0386-EX-PL-2009**  
New experimental to operate in 9300 – 9500 MHz Evaluating the reception and direction finding capability of the SEWIP program.  
Fixed: Syracuse (Onondaga), NY
- **WF2XDK NORTHROP GRUMMAN CORPORATION 0320-EX-PL-2009**  
New experimental to operate in 9661-9747 MHz for testing of the transmitter/antenna component of a newly designed real-time precision targeting radar system.  
Mobile: Melbourne (Brevard), FL, airborne 30000 ft AGL
- **WF2XDR LAUREL TECHNOLOGIES PARTNERSHIP D/B/A DRS LAUREL TECHNOLOGIES 0309-EX-PL-2009**  
New experimental to operate in 9900 – 10400 MHz for Radar Testing  
Fixed: Largo (Pinellas), FL
- **WF2XBY ROW 44, INC. 0236-EX-PL-2009**  
New experimental to operate in 14050 – 14470 MHz to test and evaluate the terminal antenna for provision of commercial aeronautical mobile satellite service (AMSS).  
Mobile: Continental United States, AK and HI
- **WF2XFB RAYTHEON NCS 0393-EX-PL-2009**  
New experimental to operate in 14400 – 14925 MHz and 15150 – 15350 MHz to test and verify Over-the-Air Data Link interoperability between the CDL-N surface terminal and a simulated CDL-N airborne platform.  
Fixed & Mobile: Salt Lake City, UT
- **WF2XCK THE BOEING COMPANY 0283-EX-PL-2009**  
New experimental to operate in 14400 – 14930 MHz and 15150 – 15350 MHz for testing High Altitude Long Endurance Unmanned Aerial System by using Tactical Common Data Link.  
Fixed & Mobile: Kent, WA; Pinnacle Peak, WA; Grass Mountain, WA; ST Louis, MO; White Sands, NM; Edwards AFB, CA
- **WF2XDQ LOCKHEED MARTIN CORPORATION 0343-EX-PL-2009**  
New experimental to operate in 16210 MHz – 16500 MHz to test perimeter defense surveillance using Hawk Radar.  
Fixed & Mobile: Syracuse (Onondaga), NY and throughout the Continental United States, AK and HI
- **WF2XFL INNOVATIVE SIGNAL ANALYSIS INC 0411-EX-PL-2009**  
New experimental to operate in 21200 – 23600 MHz to research and demonstrate a signal processing capability.  
Mobile: Richardson (Dallas), TX
- **WE2XSU RAYTHEON MISSILE SYSTEMS 0233-EX-PL-2008**  
New experimental to operate in 33.5-36 GHz for Ka band radar testing.  
Mobile: Continental United States, AK and HI
- **WF2XFK BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0377-EX-PL-2009**  
New experimental to operate in 36.70 - 37.00 GHz for testing antennas.  
Fixed: Greenlawn (Suffolk), NY
- **WF2XFN FUJITSU TEN TECHNICAL CENTER 0429-EX-PL-2009**  
New experimental to operate in 76 – 77 GHz for testing Millimeter-wave radars.  
Mobile: Continental United States, AK and HI